

Supplier:
Permatex, Inc.
10 Columbus Blvd.
Hartford, CT 06106
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(877) 376-2839

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 6BR SENSOR SAFE BLUE RTV SILICONE 3 OZ TB/CG
Item No: 80022
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	65-75		
POLYDIMETHYLSILOXANE 63148-62-9	5-25		
SILOXANE TREATED FUMED SILICA 68583-49-3	5-25		
AMORPHOUS SILICA 7631-86-9	5-25	10 mg/m3 TWA	6 mg/m3 TWA
ETHYLTRIACETOXSILANE 17689-77-9	1-10		
METHYLTRIACETOXSILANE 4253-34-3	1-10		
ACETIC ACID ... % 64-19-7	****	10 ppm TWA; 25 mg/m3 TWA	10 ppm TWA; 25 mg/m3 TWA

3. HAZARDS IDENTIFICATION

Toxicity:

****When this product is exposed to moisture, 1-3% acetic acid may be formed. May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May be harmful if swallowed. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. Hydroxy terminated silicone: Oral LD50 greater than 40,000 mg/kg (rat), Inhalation LC50 greater than 535 mg/l (rat); Methyltriacetoxysilane: Oral LD50 = 2060 mg/kg; Siloxane treated fumed silica: Oral LD50 greater than 40,000 mg/kg (rat), Inhalation LC50 greater than 535 mg/l (rat).

Primary Routes of Entry:

Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure:

Acetic acid produced during curing irritates eyes, nose and throat. Repeated skin contact may cause allergic skin reactions.

Medical Conditions Recognized as Being

Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

Aggravated by Exposure:

4. FIRST AID MEASURES

Ingestion:

Rinse mouth with water several times. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation:

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin Contact:

Wipe off paste with paper towel or cloth. Wash exposed area with soap and water. Seek medical attention if irritation persists.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Product Name: 6BR SENSOR SAFE BLUE RTV SILICONE 3 OZ TB/CG
Item No: 80022

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume, Oxides of carbon. Oxides of nitrogen, Metal oxide fumes, Incomplete combustion may emit component hydrocarbons.
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Acetic acid: 4%
Upper Explosive Limit: Acetic acid: 19.9% @ 200 degrees F.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store in a dry area below 90 degrees F. Keep container closed when not in use.
Handling: Avoid contact with skin and eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Not normally required, but wearing safety glasses will minimize exposure.
Skin: Rubber or plastic gloves
Ventilation: General ventilation is usually adequate.
Respiratory Protection: Not normally necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue paste
Odor: ACETIC ACID ODOR
Boiling Point (°F): Not applicable, polymeric material
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.04
VOC Content(Wt.%): 4.6% by weight; 47.8 g/l
Vapor Pressure: Less than 5 mm Hg @ 80 degrees F.
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.
Conditions to Avoid: Moisture while storing.
Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume, Oxides of carbon. Oxides of nitrogen, Metal oxide fumes, Incomplete combustion may emit component hydrocarbons.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORT INFORMATION

Product Name: 6BR SENSOR SAFE BLUE RTV SILICONE 3 OZ TB/CG
Item No: 80022

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted
Class or Division: None
UN/NA Number: NONE

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.
NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 1
Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/01/2001
Revision Number: 2

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 26BR HI TEMP RTV RED SILICONE 3 OZ TB/CG
 Item No: 81160
 Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLYDIMETHYLSILOXANE 63148-62-9	80-90		
AMORPHOUS SILICA 7631-86-9	5-15	10 mg/m3 TWA	6 mg/m3 TWA
IRON OXIDE 1309-37-1	1-10	5 mg/m3 (Fe)	10 mg/m3 (Fe) particulate
METHYLTRIACTOXSILANE 4253-34-3	1-10		
ACETIC ACID ... % 64-19-7	****	10 ppm TWA; 25 mg/m3 TWA	10 ppm TWA; 25 mg/m3 TWA

3. HAZARDS IDENTIFICATION

Toxicity: ****When this product is exposed to moisture, 1-3% acetic acid may be formed. May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May be harmful if swallowed. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. Oral LD50 = 2060 mg/kg.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat. Repeated skin contact may cause allergic skin reactions.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
IRON OXIDE 1309-37-1	1-10		A4 - Not Classifiable	Group 3

Medical Conditions Recognized as Being Aggravated by Exposure: Methyltriactoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water several times. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin Contact: Wipe off paste with paper towel or cloth. Wash exposed area with soap and water. Seek medical attention if irritation persists.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup

Product Name: 26BR HI TEMP RTV RED SILICONE 3 OZ TB/CG
Item No: 81160

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume,
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Acetic acid: 4%
Upper Explosive Limit: Acetic acid: 19.9% @ 200 degrees F.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store in a dry area below 90 degrees F. Keep container closed when not in use.
Handling: Avoid contact with skin and eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Not normally required, but wearing safety glasses will minimize exposure.
Skin: Rubber or plastic gloves
Ventilation: General ventilation is usually adequate.
Respiratory Protection: Not normally necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red paste
Odor: ACETIC ACID ODOR
Boiling Point (°F): Not applicable, polymeric material
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.05
VOC Content(Wt.%): 4.8% by weight; 0.42 lb/gal; 50.48 g/l
Vapor Pressure: 10 mm Hg @ 80 degrees F.
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.
Conditions to Avoid: Moisture while storing.
Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume,

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORT INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted

Product Name: 26BR HI TEMP RTV RED SILICONE 3 OZ TB/CG
Item No: 81160

Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Unrestricted
Class or Division: None
UN/NA Number: NONE
IMDG
Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.
NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level.

TSCA Inventory Status:

All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0
Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

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